

Applicant: Wayne A. Henderson et al  
U.S. Serial No.: 09/609,027  
Filed: June 29, 2000  
Page 2

In the Brief Description of Figures:

Please replace page 15 with attached replacement pages 15 (EXHIBIT B). Page 15 consists only of Brief Description of Figures. The mark-up copy of the original page 15 is shown as EXHIBIT C.

REMARKS

Figures 7, 8 and 10 were described in the original application.

The original Brief Description of the Figures on page 15 refers to Figures 7A-7C. There is no Figure 7C. The text has now been amended to read Figures 7A-7B.

The original Brief Description of the Figures on page 15 refers to Figure 8. Figure 8 is a multi-page figure with 76 parts. The text has now been amended to read Figures 8-1 to 8-76.

The original Brief Description of the Figures on page 15 refers to Figure 10. Figure 10 is a two-part figure with parts 10A and 10B. The text has now been amended to read Figures 10A-10B.

In the Figures:

Please replace figure 6/85 with attached replacement figure 6/85 (EXHIBIT D). The mark-up copy of the original figure 6/85 is shown as (EXHIBIT E).

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REMARKS

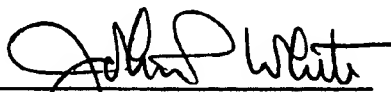
Figure 6/85 was included in the original application. The drawings in Figure 6/85 have not been changed, the only change to the Figure being the addition of the text labels "6A", "6B" and "6C". These text labels make Figure 6/85 more easily understood by the reader.

Applicants hereby constructively elect option III of the possible responses to Notice To File Omitted Parts Of Nonprovisional Application under 37 C.F.R. §1.53(b). Accordingly no fee is deemed necessary in connection with the filing of this Communication.

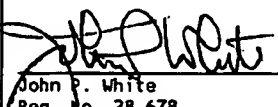
If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invite the Examiner to telephone him at the number provided below.

No fee is deemed necessary in connection with the filing of this Communication. If any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted, .



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.	
 John P. White Reg. No. 28,678	2/26/01 Date

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Figures 7A-7C. Electrostatic and carbohydrate surfaces of SCF and homology-modeled receptor Kit. (Fig. 7A) Electrostatic surface of SCF and worm of D2D3(Kit). (Fig. 7B) Electrostatic surface of Kit and worm of SCF. ~~(Fig. 8C)~~ Negative potential is colored red and positive potential, blue, with greatest saturations at -10 and +10kT, respectively. Carbohydrate moieties are represented by CPK models of a  $\beta$ -D-N-acetylglucose (green for SCF moieties and yellow for potential Kit moieties. Figures were drawn by the program GRASP (Nicholls et al., 1991).

8-1 to 8-76

Figure 8. X-ray crystallographic coordinates of truncated stem cell factor molecule comprising amino acids 1-141 of a human SCF polypeptide.

Figure 9. Suggested renaming of the waters of the X-ray crystallographic coordinates set forth in Figure 8.

10A-10B

Figure 10. Design for a double-headed SCF ligand analog. (10A) General model (10B) Embodiment of the ligand head as an oligopeptide. The compound is the conjugation of a linker molecule with two ligand-head molecules. Each ligand head

Figure 6

